7B6

7B6

TWIN DIODE—HIGH-MU TRIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage	6.3[□]	ac or dc volts
Current	0.3[□□]	amp

Direct Interelectrode Capacitances—Triode Unit:[○]

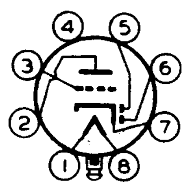
Grid to Plate	1.6	μμf
Grid to Cathode	3.0	μμf
Plate to Cathode	2.4	μμf

[○] With external shield connected to cathode.

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-25/32"
Maximum Seated Length	2-1/4"
Maximum Diameter	1-3/16"
Bulb	T-9
Base	Lock-in 8-Pin
Basing Designation for BOTTOM VIEW	8W

Pin 1 - Heater
Pin 2 - Triode Plate
Pin 3 - Triode Grid
Pin 4 - Internal Connection
Pin 5 - Diode Plate No. 2



Pin 6 - Diode Plate No. 1
Pin 7 - Cathode, Internal Shield
Pin 8 - Heater
Plug - Base Shell

TRIODE UNIT

AMPLIFIER - Class A_1

Maximum Ratings, *Design-Center Values*:

PLATE VOLTAGE	300 max.	volts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	90 max.	volts
Heater positive with respect to cathode	90 max.	volts

Typical Operation and Characteristics:

Plate Voltage	100	250	volts
Grid Voltage	-1	-2	volts
Amplification Factor	100	100	
Plate Resistance	110000	91000	ohms
Transconductance	900	1100	μmhos
Plate Current	0.4	0.9	ma.

DIODE UNITS - Two

Consideration of these units, including typical circuits and diode curves, is given at the front of this Section.

[□] Nominal voltage = 7.0 volts.
[□□] Nominal current = 0.32 ampere.